

Work Order ID 65570

January 19, 2011 2:37:04 PM



Page 1

Item ID: D2221

Accept



Setup Start



Revision ID:

Item Name: 350 Basket Base

Stop



Start Date: 1/27/11 Start Qty: 1.00



Cust Item ID:

Required Date: 2/01/11 Req'd Qty: 1.00



Customer:

Reference:

Approvals:

Process Plan:

W

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D2221

Rev H

100

0.00



Large Fab

Large Fab

Memo

0.00

Large Fab

1- assemble all ribs and both D2581 in DT9444 jig, weld as per dwg D2221
2- remove basket from jig and weld D3442-1 shims and D2232-3 hinges as per dwg D2221
3- tack weld mesh on basket as per dwg D2221
A/R ER316 S.S. Rod Batch: *1414649*

A

PLEASE NOTE

IF MAKING -041A OR -043A :
DRILL HOLES FOR GAS SPRING
IN D3825-041 AS PER
DSI 9473

A

SY 11/01/27 *(W)*

110

QC9- Inspect visual per QSI004- Fusion Welds

0.00



QC

Memo

0.00

Quality Control

Cpl 11-01-28

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 65570

January 19, 2011 2:37:05 PM



Page 2

Item ID: D2221

Accept



Setup Start



Revision ID:

Item Name: 350 Basket Base

Stop



Start Date: 1/27/11 Start Qty: 1.00



Cust Item ID:

Required Date: 2/01/11 Req'd Qty: 1.00



Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

120

QC6- Inspect dimensions to drawing

0.00



QC

Memo

0.00

Quality Control

8 u/01/28



125

Pressure Wash per QSI005 4.3

0.00



HandFinish

Memo

0.00

Hand Finishing

1 BL 11-a-32

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 65570

January 19, 2011 2:37:05 PM



Page 3

Item ID: D2221

Accept



Setup Start



Revision ID:

Stop



Item Name: 350 Basket Base

Start Date: 1/27/11 Start Qty: 1.00



Cust Item ID:

Required Date: 2/01/11 Req'd Qty: 1.00



Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

130

White Gloss(Ref:4.3.5.2) per QSI005 4.3-Steel

0.00



Powdercoat

M 115951

Memo

0.00

Powder Coating

1- Plug holes prior to

1ST COAT:

START TIME: *8:15*

OVEN TEMPERATURE: *400°*

FINISH TIME: *4:15*

***** 2nd coat if necessary*****

2ND COAT:

START TIME: _____

OVEN TEMPERATURE: _____

FINISH TIME: _____

1

BR 11-01-31

140

QC3- Inspect Part Finish

0.00



QC

Memo

0.00

Quality Control

= 7 JH 11/6/31

XL - Ø

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 65570

January 19, 2011 2:37:06 PM



Page 4

Item ID: D2221

Accept



Setup Start



Revision ID:

Stop



Item Name: 350 Basket Base

Start Date: 1/27/11 Start Qty: 1.00



Cust Item ID:

Required Date: 2/01/11 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

150

Identify as per dwg & Stock Location: *C.A.*

0.00



Packaging

Memo

0.00

Packaging

w/o 65567

JSU/02/01 *(1)*

160

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

W/02/02 *(1)*

PL11-02-1
(1)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

January 19, 2011 2:37:02 PM

Page 1

Work Order ID: 65570

Parent Item: D2221

Parent Item Name: 350 Basket Base



Start Date: 1/27/11

Required Date: 2/01/11

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:J 05.09.02 Added D3442-1 □KJ/JLM
 IPP Rev:K 08-08-29 revG as per dwg DD verified by:EC
 IPP Rev:L 08-09-24 plug holes prior to powder coat DD verified by:EC
 IPP Rev:M 08-12-02 revH as per dwg DD verified by:EC IPP Rev:N
 10.06.29 added pressure wash DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

✓ D2221-1 		Manufactured	No			100	Each	16.0000	1	1			
Rib													

Location	Loc Qty	Loc Code
WA	16	
63628	4	
64651	12	

✓ D2221-5 		Manufactured	No			100	Each	10.0000	2	2			
Rib													

Location	Loc Qty	Loc Code
WA	10	
64269	2	
64652	8	

✓ D2221-7 		Manufactured	No			100	Each	5.0000	1	1			
Rib													

Location	Loc Qty	Loc Code
WA	5	
63956	1	
64653	4	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

January 19, 2011 2:37:03 PM

[illegible]**Required Date:** 2/01/11

Required Qty: 1.00

15/05/2014

11/01/24

Loc Code

6

6



11/01/24

Loc Code

6

6

100

2. By 11/01/24

Loc Code

33

20

13

•



2. My 11/01/24

Loc Code

12

12

2.

2.

6

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

January 19, 2011 2:37:03 PM

Page 3

Work Order ID: 65570

Parent Item: D2221


Parent Item Name: 350 Basket Base

Start Date: 1/27/11

Required Date: 2/01/11

Start Qty: 1.00

Required Qty: 1.00

✓ D3825-041

 Rib Assembly (Basket End)

Manufactured No

100 Each

6.0000

2

2



SY 11/01/24

Location

Loc Qty

Loc Code

WA

6

64577

6

100

Each


6.0000

2



(2x)

SY 11/01/24

✓ D3826-041

 Rib / Gusset Assembly

Manufactured No

Location

Loc Qty

Loc Code

WA

6

64690

6

100

Each

7.0000

1



(2x)

SY 11/01/24

✓ D3827-041

 Rib Assembly (Inboard)

Manufactured No

Location

Loc Qty

Loc Code

WA

7

63959

1

64857

6

100

Each

2.0000

1



(1x)

SY 11/01/24

✓ D3832-1

 Mesh (Base)

Manufactured No

Location

Loc Qty

Loc Code

WA

2

64595

2

(1x)

January 19, 2011 2:37:03 PM

Shop Packet Print

Page 3

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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NOTE: Date & initial all entries

Picklist Print

January 19, 2011 2:37:04 PM

Page 4

Work Order ID: 65570

Parent Item: D2221

Parent Item Name: 350 Basket Base



Start Date: 1/27/11

Required Date: 2/01/11

Start Qty: 1.00

Required Qty: 1.00

D3833-1

Manufactured No

100

Each

14.0000

2

2



Mesh (Base End Face)



SY 11/01/27

Location

Loc Qty

Loc Code

WA

14

64246

6

64891

8

2e

January 19, 2011 2:37:04 PM

Shop Packet Print

Page 4

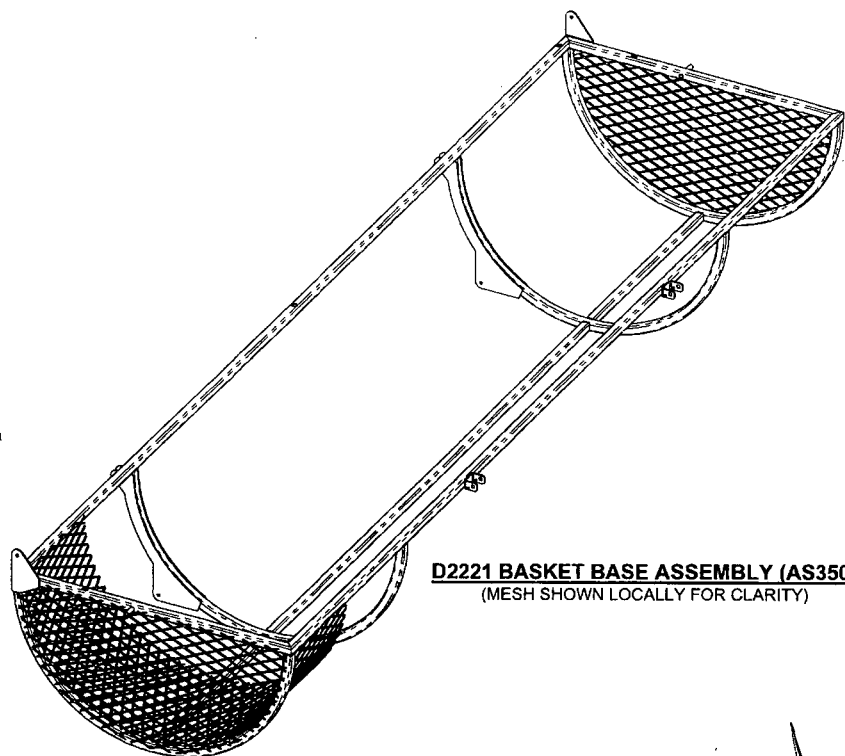
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



D2221 BASKET BASE ASSEMBLY (AS350)
(MESH SHOWN LOCALLY FOR CLARITY)

W/O 65570

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT GLOSS WHITE (4.3.5.2) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 8) WEIGHT: 42.00 lbs APPROX
- 9) MASK ALL HOLES PRIOR TO POWDER COATING

ITEM	QTY	P/N	DESCRIPTION
1	X	D2221	BASKET BASE ASSEMBLY (AS350)
2	1	D2221-1	RIB
3	2	D2221-5	RIB
4	1	D2221-7	RIB
5	2	D2232-3	BASKET HINGE
6	2	D2235-1	RIB
7	2	D2581	MOUNTING BRACKET
8	2	D3442-1	SHIM
9	2	D3825-041	RIB ASSY (BASKET END)
10	2	D3826-041	RIB/GUSSET ASSY
11	1	D3827-041	RIB ASSY (INBOARD)
12	2	D3833-1	MESH, BASE END FACE
13	1	D3832-1	MESH (BASE)

REVISIONS
08/11/18

H	REVISED PARTS LIST AND ADDED "ITEM" COLUMN TO PARTS LIST (ZN D3-1); REVISED SECTIONS A-A, B-B AND C-C (ZN C6-3, C2-3 AND A6-3); REVISED DETAIL D (ZN B7-4); ADDED DETAIL E (ZN A6-4); ADDED SECTION F-F (ZN B2-4); ADDED DWG DETAILS FOR D2221-1/5-7 (SHEET 5); TOL REVISED TO 2 DEC PLACES (ZN D8-3 AND ZN B4-3); D3825-041 REPLACES D2221-3/D2327-3; D3826-041 REPLACES D2235-1/D2325; D3827-041 REPLACES D2221-1 ON INBOARD SIDE; ADDED D3832-1 AND D3833-1. REASON: SATISFY "LEAN MANUFACTURING" PROGRAM.	MB	08.09.18
G	MATERIAL FOR -1, -3, -5 & -7 WAS 0.060 WALL; TOLERANCE FOR 96.00 DIM WAS +/-0.01 AND 56.00 DIM WAS REF (ZN B5-2); 19.62 DIM WAS "HARD" DIMENSION IS NOW "REF" (ZN B4-2); NOTE 5 TRANSFERRED FROM SHT 1 TO SHT 2; SHT 2 MESH MATERIAL UPDATED; DRAWING TRANSFERRED TO "B" FORMAT	AJS	08.06.16
F	ADD SHIM UNDER HINGE; ADD HOLES FOR SPLIT LID BASKET	PH	05.06.07
E	CHANGE HINGE	CP	01.04.19
D	CHANGE LATCH	BW	96.06.21
C	SEPARATE BASKET AND LID	KH	95.11.21
REV.	DESCRIPTION	BY	DATE
DESIGN	BW	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	BW		
CHECKED	JS	DRAWING NO.	REV. H
MFG. APPR.	JS	D2221	SHEET 1 OF 5
APPROVED.	JS	TITLE	SCALE
DE APPR.	JS	BASKET BASE ASSEMBLY (350)	NTS
DATE	08.09.18	<small>COPYRIGHT © 1994 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

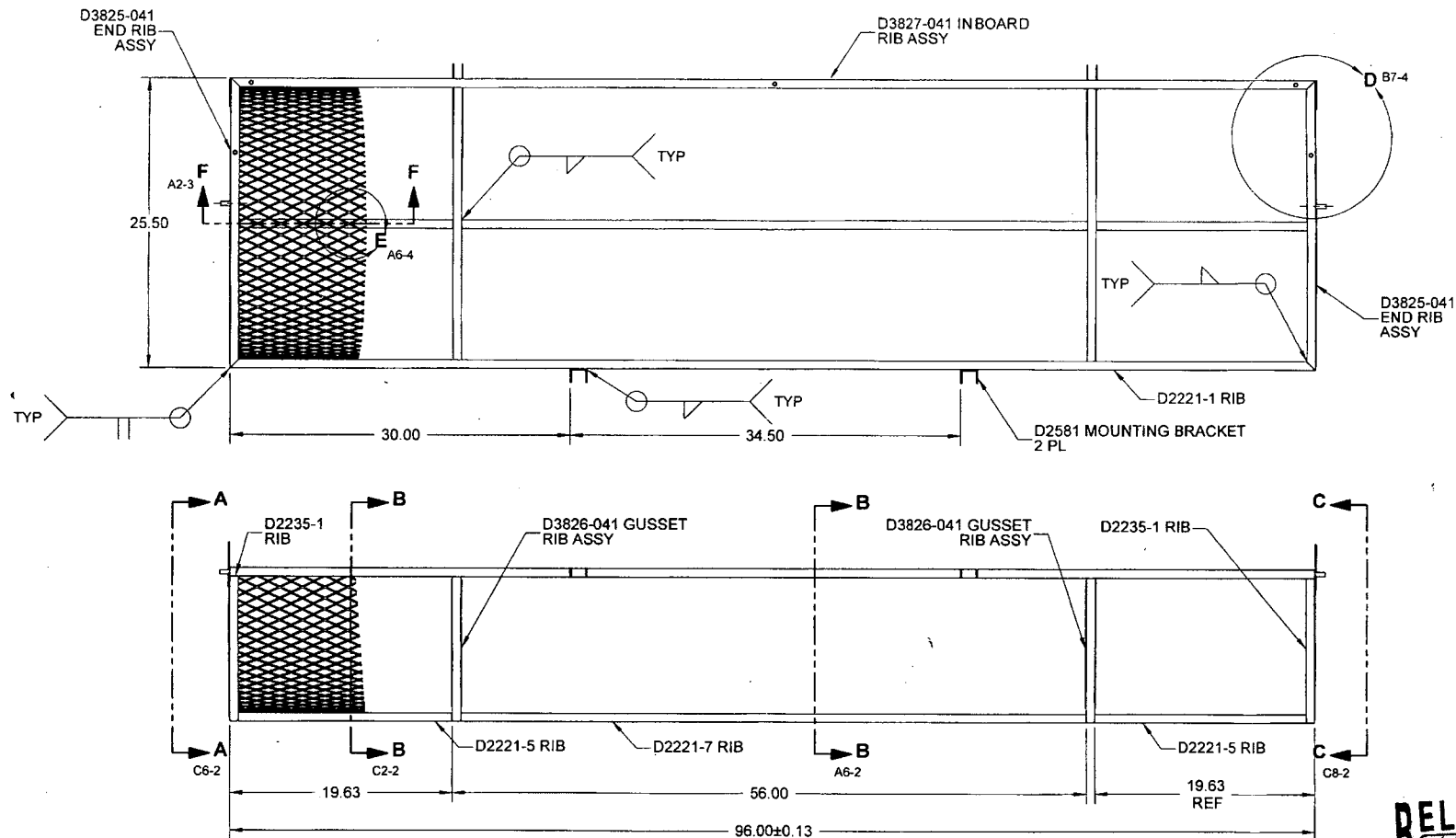
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

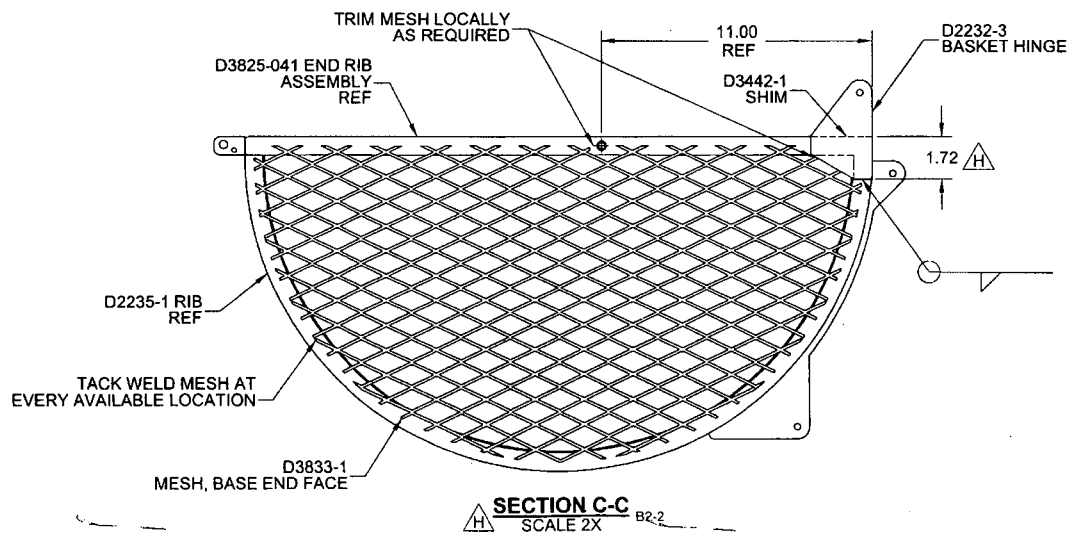
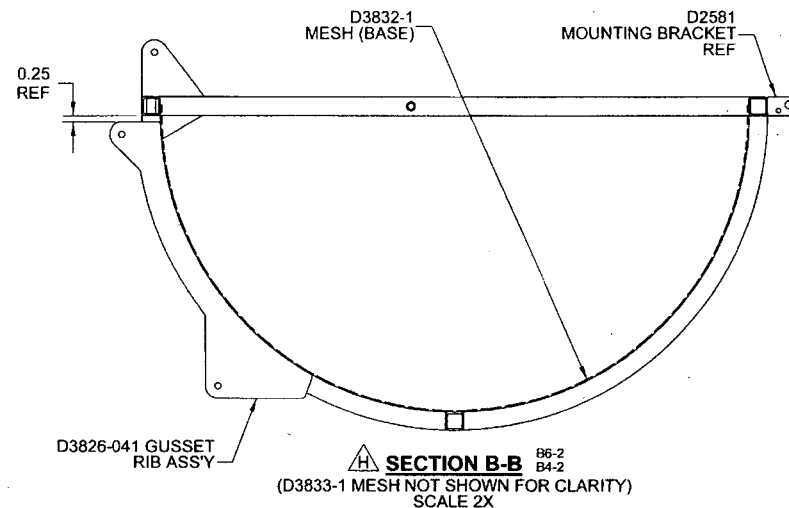
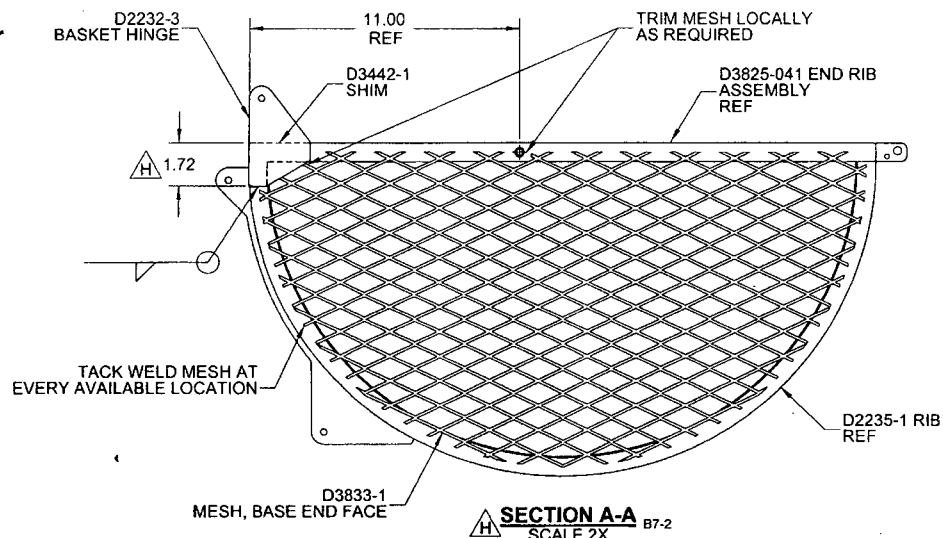
NOTE: Date & initial all entries



D2221 BASKET BASE ASSEMBLY (350)
(MESH SHOWN LOCALLY FOR CLARITY)

RELEASED
06/11/18 NAD

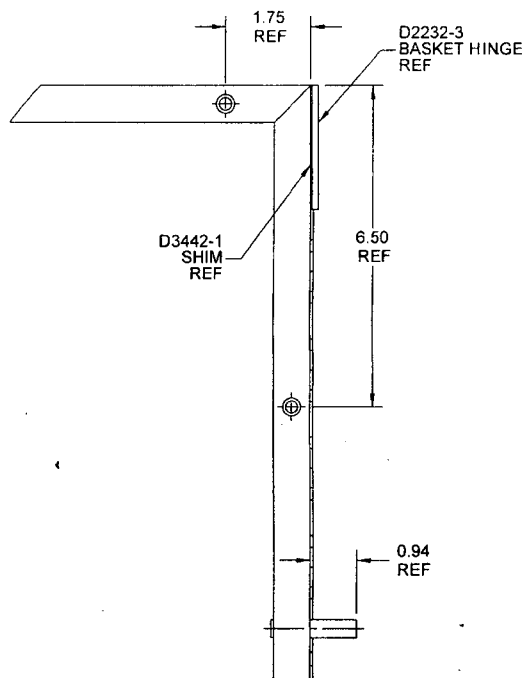
DESIGN	BW	DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO. D2221	REV. H
MFG. APPR.			SHEET 2 OF 5
APPROVED		TITLE	SCALE
DE APPR.		BASKET BASE ASSEMBLY (350)	NTS
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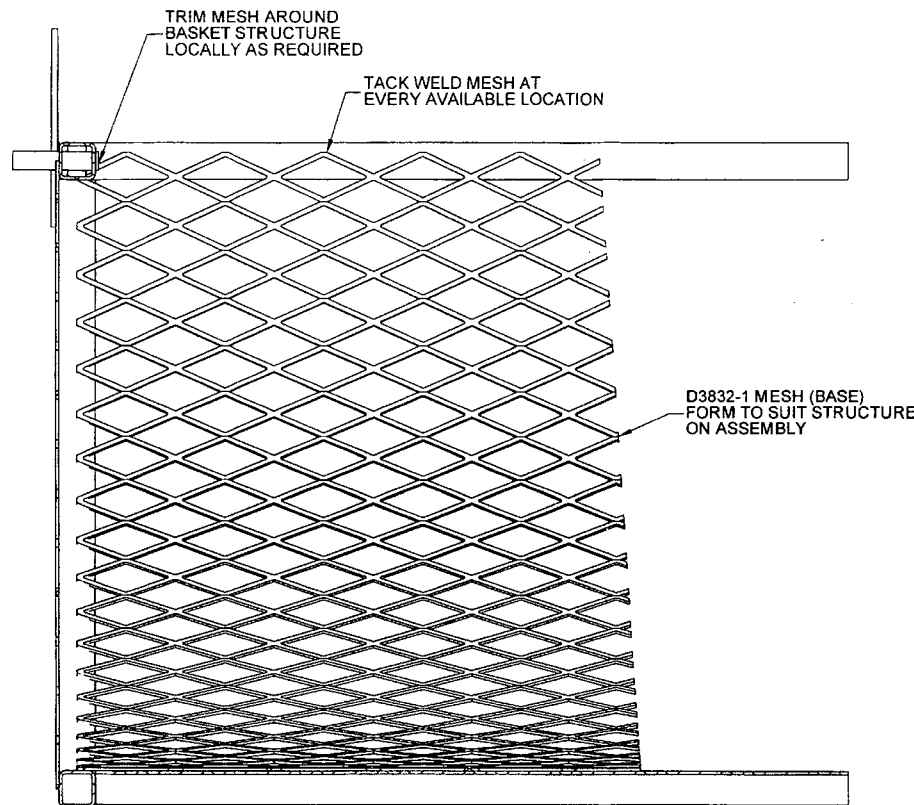
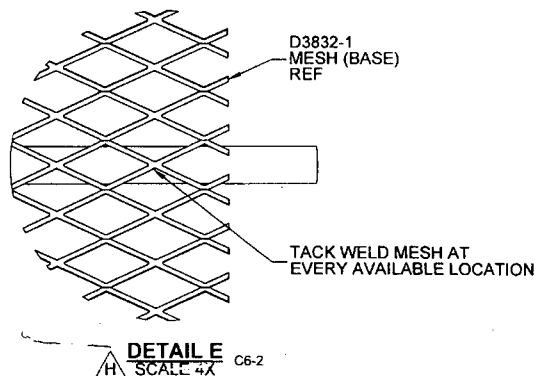
65590

RELEASED
08/11/18

DESIGN	BW	DART AEROSPACE LTD	
DRAWN	2	HAWKESBURY, ONTARIO, CANADA	
CHECKED	435	DRAWING NO. D2221	REV. H
MFG. APPR.	A	SHEET 3 OF 5	
APPROVED	11	TITLE	SCALE
DE APPR.	11	BASKET BASE ASSEMBLY (350) NTS	
DATE	08.09.18	COPYRIGHT © 1994 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR FOR CONVEYANCE TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD</small>	



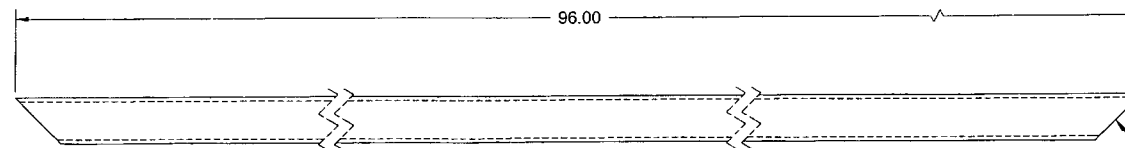
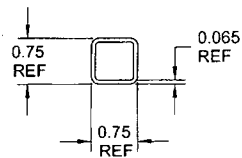
DETAIL D D2-2
SCALE 4X



SECTION F-F D7-2
SCALE 4X

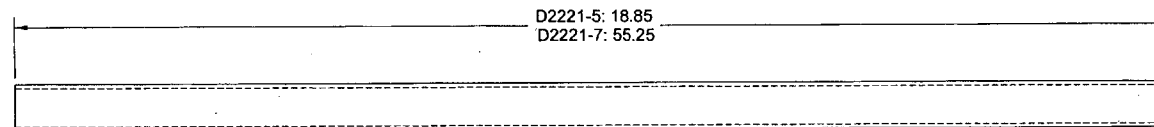
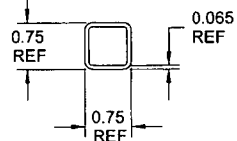
RELEASED
08/11/18

DESIGN	BW	DART AEROSPACE LTD	
DRAWN	AS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	AS	DRAWING NO.	REV. H
MFG. APPR.	AS	D2221	SHEET 4 OF 5
APPROVED	AS	TITLE	SCALE
DE APPR.	AS	BASKET BASE ASSEMBLY (350) NTS	
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D2221-1 RIB

0.75 X 45° CHAMFER
2 PL



D2221-5/-7 RIB

D2221-5: 18.85
D2221-7: 55.25

65570

RELEASED
08/10/18

NOTES:

- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SQUARE TUBE, 0.75 X 0.75 X 0.065 WALL
REF. DART SPEC. M304TS0.750W0.065
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 8) WEIGHT: D2221 -1 = 4.57 lbs; D2221-5 = 0.90 lbs; D2221-7 2.65 = lbs

DESIGN	BW	DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED	AS	DRAWING NO.	REV. H
MFG. APPR.	AS	D2221	SHEET 5 OF 5
APPROVED	W	TITLE	SCALE
DE APPR.	W	BASKET BASE ASSEMBLY (350) NTS	
DATE	08.09.18	COPYRIGHT © 1994 BY DART AEROSPACE LTD	
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DART SERVICE INSTRUCTION

TO AMEND DRAWING D350-607 REV. F OR SUBSEQUENT APPROVED REVISION

REF CANADIAN STC: SH94-14

FAA STC: SR00213NY

EASA STC: EASA.IM.R.S.01405

REFERENCE ONLY

THE PURPOSE OF THIS DART SERVICE INSTRUCTION (DSI), IS TO PROVIDE OPERATORS OF AS350 / 355 ROTORCRAFT EQUIPPED WITH DART D350-607-041 HELI UTILITY BASKETS WITH AN UPGRADE KIT TO REPLACE THE EXISTING LID PROP ARM WITH 2 GAS SPRINGS.

FOR OPERATORS EQUIPPED WITH D350-607-043/-045/-047 HELI UTILITY BASKETS THIS DSI WILL PROVIDE AN UPGRADE KIT TO REPLACE THE EXISTING LID PROP ARM WITH 1 GAS SPRING.

ITEM No.	QTY -141	QTY -143	QTY -145	PART NUMBER	DESCRIPTION
1	X			D350-607-141	AUTOMATIC LID OPENER INSTL (FOR USE ON -041 BASKET*)
2		X		D350-607-143	AUTOMATIC LID OPENER INSTL (FOR USE ON -043/-047 BASKET*)
3			X	D350-607-145	AUTOMATIC LID OPENER INSTL (FOR USE ON -045 BASKET*)
4	2		1	D3953-1	GAS SPRING BRACKET
5	2	1	1	D3953-3	GAS SPRING STUD (LID)
6	2	1	1	D3953-5	GAS SPRING STUD (BASE)
7	2	1	1	D3953-7	GAS SPRING SPACER
8	4	2	2	D3953-9	GAS SPRING WASHER
9	2	1	1	D3953-11	GAS SPRING SPACER
10	2		1	D3953-13	GAS SPRING SPACER
11		1		D3953-15	GAS SPRING BRACKET
12		1		D3953-17	GAS SPRING SPACER
13	2	1	1	D3969-1	GAS SPRING
14	4	2	2	AN3C11A	BOLT
15		2		AN3C15A	BOLT
18	4		2	AN3C16A	BOLT
19	4	2	2	AN310-4	CASTELLATED NUT
20	8	4	4	MS21043-3	NUT
21	4	2	2	MS24665-212	COTTER PIN
22	8	4	4	NAS1149C0332R	WASHER (OR AN960C10L)
23	4	2	2	NAS1149C0432R	WASHER (OR AN960C416L)

***NOTE:** FOR CUSTOMERS WISHING TO ORDER NEW BASKETS WITH THE LID OPENER PRE-INSTALLED USE THE FOLLOWING NUMBERS:

D350-607-041 BASKET WITH AUTOMATIC LID OPENER INSTALLED = D350-607-041A
D350-607-043 BASKET WITH AUTOMATIC LID OPENER INSTALLED = D350-607-043A
D350-607-045 BASKET WITH AUTOMATIC LID OPENER INSTALLED = D350-607-045A
D350-607-047 BASKET WITH AUTOMATIC LID OPENER INSTALLED = D350-607-047A

C	SHEET 1 PL, -143 INSTL, ITEM 6 QTY WAS 2, ITEM 7 WAS 0.	AJS	09.11.11
B	SHT 1 P/L ITEM 22 WAS NAS1149C0332 ITEM 23 WAS NAS1149C0432H. ALL OTHER SHEETS UPDATED ACCORDINGLY. (REASON: DRAFTING ERROR) INSTALLATIONS RENAMED.	AJS	09.11.06
A	NEW ISSUE	AJS	09.09.15
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. C
MFG. APPR.	N/A	DSI 9473	SHEET 1 OF 8
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CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 09.11.11
CERT. NO.: SH94-14
ISSUE NO.: 4

FOR D350-607-041 BASKETS, REPLACE THE EXISTING D2332-041 PROP ARM ASSEMBLY AS FOLLOWS:

REFERENCE ONLY

D350-607-141 AUTOMATIC LID OPENER INSTALLATION

NOTE: ONCE THIS MODIFICATION IS COMPLETE YOU WILL NOT BE ABLE TO RE-INSTALL THE D2332-041 PROP ARM.

- 1) REMOVE THE D2332-041 PROP ARM.
- 2) GRIND FLUSH THE D2327-3 SPACER BUSHING ON BOTH ENDS OF THE BASKET AS SHOWN IN FIGURE 1 (IT IS PERMISSIBLE TO GRIND ALL 4 SPACERS FLUSH). TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4.
- 3) LOCATE THE D3953-1 GAS SPRING BRACKET AS SHOWN IN FIGURE 1. TRIM STEEL MESH LOCALLY AS REQUIRED. TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4. TRANSFER MARK AND DRILL 2X Ø0.194 HOLES THRU THE BASKET LID SQUARE TUBE STRUCTURE AS SHOWN IN DETAIL A. INSTALL THE D3953-1 GAS SPRING BRACKET & D3953-13 GAS SPRING SPACER USING 2X AN3C16A BOLT, 2X NAS1149C0332R WASHER & 2X MS21043-3 NUT AS SHOWN IN VIEW E-E.
- 4) LOCATE THE D3953-5 GAS SPRING STUD AS SHOWN IN FIGURE 1. TRIM STEEL MESH LOCALLY AS REQUIRED. TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4. TRANSFER MARK AND DRILL 2X Ø0.194 HOLES THRU THE BASKET BASE SQUARE TUBE STRUCTURE AS SHOWN IN DETAIL B. FASTEN D3953-5 IAW VIEW F-F USING 2X AN3C11A BOLT, 2X NAS1149C0332R WASHER & 2X MS21043-3 NUT.
- 5) INSTALL 1X D3953-11 GAS SPRING SPACER ONTO THE D3953-5 STUD AS SHOWN IN VIEW F-F. INSTALL THE LARGE END OF THE D3969-1 GAS SPRING SPRING ONTO THE D3953-5 GAS SPRING STUD AND FASTEN IN PLACE USING 1X D3953-9 GAS SPRING WASHER, 1X NAS1149C0432R WASHER, 1X AN310-4 CASTELATTED NUT & 1X MS24665-212 COTTER PIN AS SHOWN IN VIEW F-F. INSTALL COTTER PIN PER MS33540 OR AC43.13 CHAPTER 7-127.
- 6) INSERT THE D3953-3 GAS SPRING STUD INTO THE D3953-1 GAS SPRING BRACKET & INSERT THE D3953-7 GAS SPRING SPACER ONTO THE D3953-3 GAS SPRING AS SHOWN IN VIEW E-E. RAISE THE BASKET LID AND INSTALL THE ROD END OF THE D3969-1 GAS SPRING ONTO THE D3953-3 GAS SPRING STUD USING 1X D3953-9 GAS SPRING WASHER, 1X NAS1149C0432R WASHER, 1X AN310-4 CASTELATTED NUT & 1X MS24665-212 COTTER PIN AS SHOWN IN VIEW E-E. INSTALL COTTER PIN PER MS33540 OR AC43.13 CHAPTER 7-127.

NOTE: THE D3953-3 GAS SPRING STUD CAN BE HELD IN PLACE WITH A $\frac{9}{16}$ OPEN END SPANNER / WRENCH.

NOTE: WITH THE LID IN THE CLOSED POSITION THE GAS SPRING SHOULD NOT BE FULLY COMPRESSED.




- 7) REPEAT STEPS 2 THROUGH 6 AT THE OTHER END OF THE BASKET.
- 8) TEST THE INSTALLATION. IF INSTALLED PROPERLY THE GAS SPRINGS SHOULD ASSIST THE BASKET USER IN BOTH OPENING AND CLOSING THE BASKET LID.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 09.11.11
CERT. NO.: SH94-14
ISSUE NO.: 4

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MFG. APPR.	N/A	DSI 9473	SHEET 2 OF 8
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DE APPR.		AUTOMATIC LID OPENER INSTL	NTS
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FOR D350-607-043/-047 BASKETS REPLACE THE EXISTING D2332-041 PROP ARM ASSEMBLY AS FOLLOWS:

REFERENCE ONLY

D350-607-143 AUTOMATIC LID OPENER INSTALLATION

NOTE: THIS KIT MAY BE INSTALLED AT EITHER END OF THE BASKET. HOWEVER, THE PROP ARM MUST BE REMOVED IN EITHER CASE AS IT WILL INTERFERE WITH THE FUNCTION OF THE GAS SPRING.

- 1) REMOVE THE D2332-041 PROP ARM.
- 2) GRIND FLUSH THE D2327-3 SPACER BUSHING ON THE END OF THE BASKET WHERE THE LID OPENER IS BE INSTALLED AS SHOWN IN FIGURE 2 (IT IS PERMISSIBLE TO GRIND ALL 4 SPACERS FLUSH). TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4.
- 3) LOCATE THE D3953-15 GAS SPRING BRACKET AS SHOWN IN FIGURE 2. TRIM STEEL MESH LOCALLY AS REQUIRED. TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4. TRANSFER MARK AND DRILL 2X Ø0.194 HOLES THRU THE BASKET LID SQUARE TUBE STRUCTURE AS SHOWN IN DETAIL C. INSTALL THE D3953-15 GAS SPRING BRACKET & D3953-17 GAS SPRING SPACER USING 2X AN3C15A BOLT, 2X NAS1149C0332R WASHER & 2X MS21043-3 NUT AS SHOWN IN VIEW G-G.
- 4) LOCATE THE D3953-5 GAS SPRING STUD AS SHOWN IN FIGURE 2. TRIM STEEL MESH LOCALLY AS REQUIRED. TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4. TRANSFER MARK AND DRILL 2X Ø0.194 HOLES THRU THE BASKET BASE SQUARE TUBE STRUCTURE AS SHOWN IN DETAIL D. INSTALL 2X AN3C11A BOLT, 2X NAS1149C0332R WASHER & 2X MS21043-3 NUT AS SHOWN IN VIEW H-H. INSTALL THE ROD END OF THE D3969-1 GAS SPRING ONTO THE D3953-3 GAS SPRING STUD USING 1X D3953-9 GAS SPRING WASHER, 1X NAS1149C0432R WASHER, 1X AN310-4 CASTELATTED NUT & 1X MS24665-212 COTTER PIN AS SHOWN IN VIEW H-H. INSTALL COTTER PIN PER MS33540 OR AC43.13 CHAPTER 7-127.
- 5) INSERT THE D3953-3 GAS SPRING STUD INTO THE D3953-15 GAS SPRING BRACKET & INSERT THE D3953-7 GAS SPRING SPACER ONTO THE D3953-3 GAS SPRING STUD AS SHOWN IN VIEW G-G. RAISE THE BASKET LID AND INSTALL THE D3969-1 GAS SPRING ONTO THE D3953-3 GAS SPRING STUD AND FASTEN IN PLACE USING 1X D3953-9 GAS SPRING WASHER, 1X NAS1149C0432R WASHER, 1X AN310-4 CASTELATTED NUT & 1X MS24665-212 COTTER PIN AS SHOWN IN VIEW G-G. INSTALL COTTER PIN PER MS33540 OR AC43.13 CHAPTER 7-127.

NOTE: THE D3953-3 GAS SPRING STUD CAN BE HELD IN PLACE WITH A $\frac{9}{16}$ OPEN END SPANNER / WRENCH.

NOTE: WITH THE LID IN THE CLOSED POSITION THE GAS SPRING SHOULD NOT BE FULLY COMPRESSED.




- 6) TEST THE INSTALLATION. IF INSTALLED PROPERLY THE GAS SPRING SHOULD ASSIST THE BASKET USER IN BOTH OPENING AND CLOSING THE BASKET LID.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 09.11.11
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FOR D350-607-045 BASKETS REPLACE THE EXISTING D2332-041 PROP ARM ASSEMBLY AS FOLLOWS:

D350-607-145 AUTOMATIC LID OPENER INSTALLATION

NOTE: THIS KIT MAY BE INSTALLED AT EITHER END OF THE BASKET. HOWEVER, THE PROP ARM MUST BE REMOVED IN EITHER CASE AS IT WILL INTERFERE WITH THE FUNCTION OF THE GAS SPRING.

- 1) REMOVE THE D2332-041 PROP ARM.
 - 2) GRIND FLUSH THE D2327-3 SPACER BUSHING ON THE END OF THE BASKET WHERE THE LID OPENER IS BE INSTALLED AS SHOWN IN FIGURE 1 (IT IS PERMISSIBLE TO GRIND ALL 4 SPACERS FLUSH). TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4.
 - 3) LOCATE THE D3953-1 GAS SPRING BRACKET AS SHOWN IN FIGURE 1. TRIM STEEL MESH LOCALLY AS REQUIRED. TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4. TRANSFER MARK AND DRILL 2X Ø0.194 HOLES THRU THE BASKET LID SQUARE TUBE STRUCTURE AS SHOWN IN DETAIL A. INSTALL THE D3953-1 GAS SPRING BRACKET & D3953-13 GAS SPRING SPACER USING 2X AN3C16A BOLT, 2X NAS1149C0332R WASHER & 2X MS21043-3 NUT AS SHOWN IN VIEW E-E.
 - 4) LOCATE THE D3953-5 GAS SPRING STUD AS SHOWN IN FIGURE 1. TRIM STEEL MESH LOCALLY AS REQUIRED. TOUCH UP PAINT PER ICA-D350-607 REV. 0 SECTION 5.1 ITEM 4. TRANSFER MARK AND DRILL 2X Ø0.194 HOLES THRU THE BASKET BASE SQUARE TUBE STRUCTURE AS SHOWN IN DETAIL B. FASTEN D3953-5 IAW VIEW F-F USING 2X AN3C11A BOLT, 2X NAS1149C0332R WASHER & 2X MS21043-3 NUT.
 - 5) INSTALL 1X D3953-11 GAS SPRING SPACER ONTO THE D3953-5 STUD AS SHOWN IN VIEW F-F. INSTALL THE LARGE END OF THE D3969-1 GAS SPRING SPRING ONTO THE D3953-5 GAS SPRING STUD AND FASTEN IN PLACE USING 1X D3953-9 GAS SPRING WASHER, 1X NAS1149C0432R WASHER, 1X AN310-4 CASTELATTED NUT & 1X MS24665-212 COTTER PIN AS SHOWN IN VIEW F-F. INSTALL COTTER PIN PER MS33540 OR AC43.13 CHAPTER 7-127.
 - 6) INSERT THE D3953-3 GAS SPRING STUD INTO THE D3953-1 GAS SPRING BRACKET & INSERT THE D3953-7 GAS SPRING SPACER ONTO THE D3953-3 GAS SPRING AS SHOWN IN VIEW E-E. RAISE THE BASKET LID AND INSTALL THE ROD END OF THE D3969-1 GAS SPRING ONTO THE D3953-3 GAS SPRING STUD USING 1X D3953-9 GAS SPRING WASHER, 1X NAS1149C0432R WASHER, 1X AN310-4 CASTELATTED NUT & 1X MS24665-212 COTTER PIN AS SHOWN IN VIEW E-E. INSTALL COTTER PIN PER MS33540 OR AC43.13 CHAPTER 7-127.
- NOTE:** THE D3953-3 GAS SPRING STUD CAN BE HELD IN PLACE WITH A $\frac{9}{16}$ OPEN END SPANNER / WRENCH.

NOTE: WITH THE LID IN THE CLOSED POSITION THE GAS SPRING SHOULD NOT BE FULLY COMPRESSED.

- 7) TEST THE INSTALLATION. IF INSTALLED PROPERLY THE GAS SPRING SHOULD ASSIST THE BASKET USER IN BOTH OPENING AND CLOSING THE BASKET LID.

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
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CERT. NO.:	SH94-14
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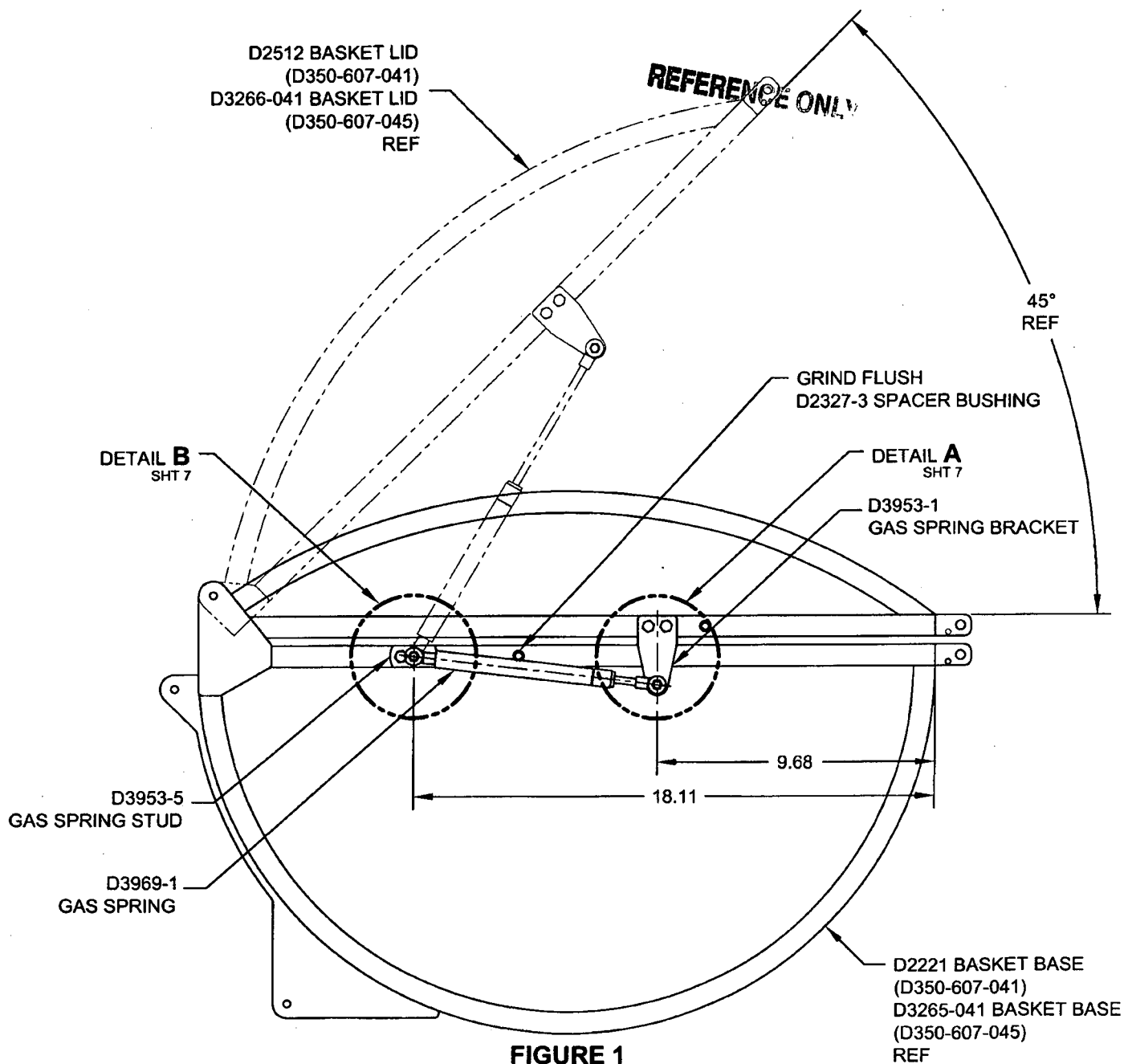


FIGURE 1

D350-607-141 AUTOMATIC LID OPENER INSTALLATION
(BOTH ENDS)

D350-607-145 AUTOMATIC LID OPENER INSTALLATION
(1 END ONLY)

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DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

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BY: *[Signature]*
D. SHEPHERD (DE # 02)

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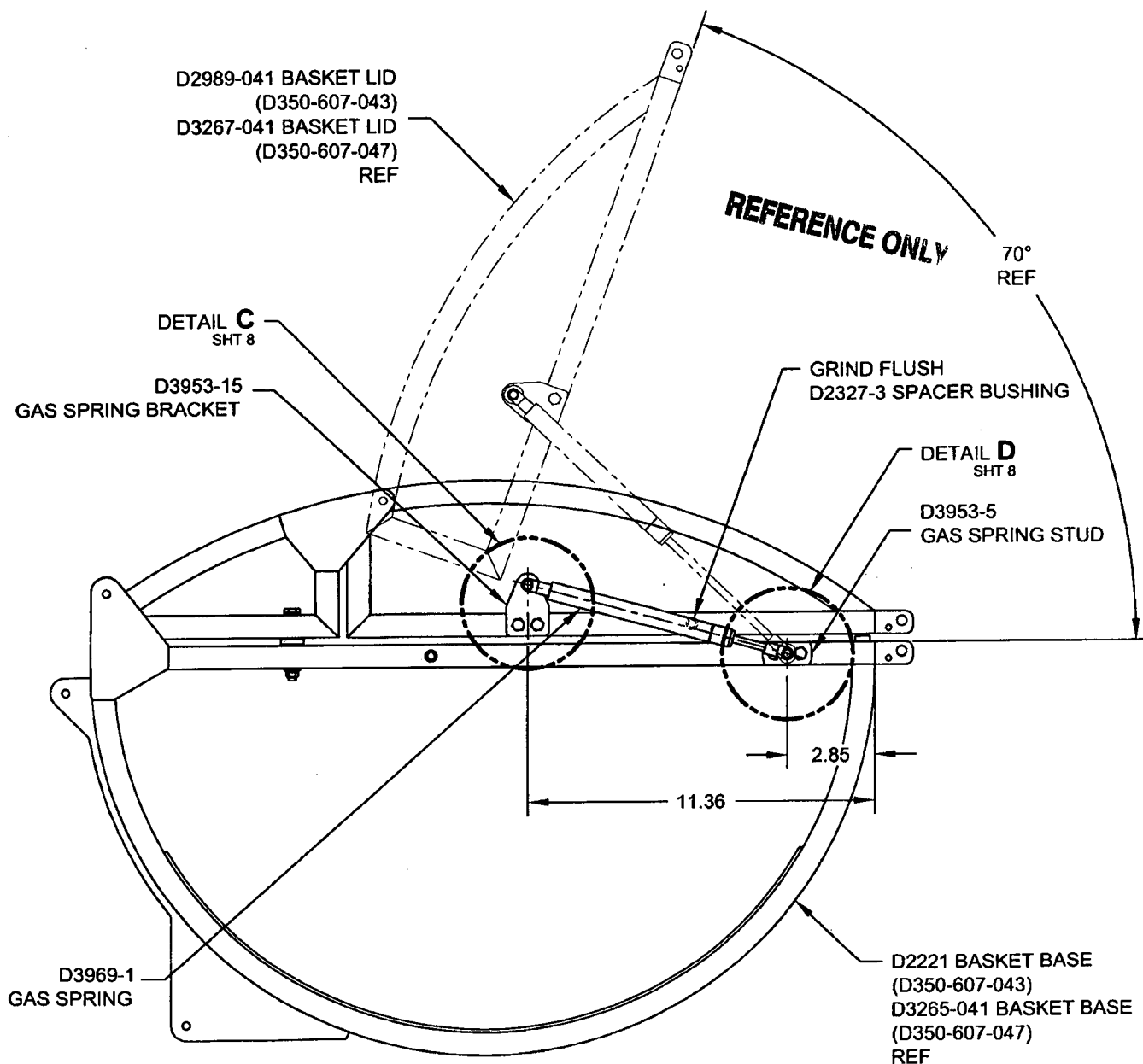


FIGURE 2
D350-607-143 AUTOMATIC LID OPENER INSTALLATION
 (1 END ONLY)

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AN3C11A BOLT
NAS1149C0332R WASHER
MS21043-3 NUT
2 PL

D3953-5
GAS SPRING STUD
REF

D3953-11
GAS SPRING SPACER

D3953-9
GAS SPRING WASHER

AN310-4 CASTELLATED NUT
MS24665-212 COTTER PIN
NAS1149C0432R WASHER

VIEW F-F

REFERENCE ON

AN3C16A BOLT
NAS1149C0332R WASHER
MS21043-3 NUT
2 PL

D3953-13
GAS SPRING SPACER

D3953-1
GAS SPRING BRACKET
REF

D3953-7
GAS SPRING SPACER

D3953-9
GAS SPRING WASHER

D3953-3 GAS SPRING STUD
AN310-4 CASTELLATED NUT
MS24665-212 COTTER PIN
NAS1149C0432R WASHER

VIEW E-E

D3953-5
GAS SPRING STUD
REF

TRIM MESH LOCALLY
AS REQUIRED

TRANSFER MARK AND
DRILL Ø0.194 THRU
2 PL

DETAIL B

E

TRIM MESH LOCALLY
AS REQUIRED

TRANSFER MARK AND
DRILL Ø0.194 THRU

D3969-1
GAS SPRING
REF

D3953-1
GAS SPRING BRACKET
REF




DETAIL A

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AN3C15A BOLT
NAS1149C0332R WASHER
MS21043-3 NUT
2 PL

D3953-17
GAS SPRING SPACER

D3953-15
GAS SPRING BRACKET
REF

D3953-7
GAS SPRING SPACER

D3953-9
GAS SPRING WASHER

D3953-3 GAS SPRING STUD
AN310-4 CASTELLATED NUT
MS24665-212 COTTER PIN
NAS1149C0432R WASHER

REFERENCE ON

AN3C11A BOLT
NAS1149C0332R WASHER
MS21043-3 NUT
2 PL

D3953-5
GAS SPRING STUD
REF

D3953-11
GAS SPRING SPACER

D3953-9
GAS SPRING WASHER

AN310-4 CASTELLATED NUT
MS24665-212 COTTER PIN
NAS1149C0432R WASHER

VIEW G-G

VIEW H-H

G G

D3953-15
GAS SPRING BRACKET
REF

TRANSFER MARK AND
DRILL Ø0.194 THRU

TRIM MESH LOCALLY
AS REQUIRED

DETAIL C

H H

D3953-5
GAS SPRING STUD
REF

TRIM MESH LOCALLY
AS REQUIRED

TRANSFER MARK AND
DRILL Ø0.194 THRU

DETAIL D

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

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